## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: 3C Sealants 2 in 1 Wood Repair Resin comp. A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Epoxy filler

For professional use only

Uses advised against:

Not intended for consumer use

1.3. Details of the supplier of the safety data sheet

Supplier:

County Construction Chemicals LTD.

Unit 4, Chingford Industrial Centre

Hall Lane, London, E4 8DJ

1.4. Emergency telephone number

Tel.: 020 8524 1931

## SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

- Warning, Skin Irrit. 2, Causes skin irritation.
- Warning, Eye Irrit. 2, Causes serious eye irritation.
- Warning, Skin Sens. 1, May cause an allergic skin reaction.
- Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local regulations.

Special Provisions:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Contains

bis-[4-(2,3-epoxipropoxi)phenyl]propane

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

## SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty | Name | Ident. Number | Classification |
|---|---|---|---|
| >= 50% - < 60% | bis-[4-(2,3-epoxipropoxi)phenyl] propane | Index number: 603-073-00-2<br>CAS: 1675-54-3<br>EC: 216-823-5<br>REACH No.: 01-2119456619-26 | 3.2/2 Skin Irrit. 2 H315<br>3.3/2 Eye Irrit. 2 H319<br>3.4.2/1 Skin Sens. 1 H317<br>4.1/C2 Aquatic Chronic 2 H411 |
| >= 12.5% - < 15% | Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol | CAS: 9003-36-5<br>EC: 500-006-8<br>REACH No.: 01-2119454392-40 | 3.2/2 Skin Irrit. 2 H315<br>3.3/2 Eye Irrit. 2 H319<br>3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317<br>4.1/C2 Aquatic Chronic 2 H411 |
| >= 7% - < 10% | oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | Index number: 603-103-00-4<br>CAS: 68609-97-2<br>EC: 271-846-8<br>REACH No.: 01-2119485289-22 | 3.2/2 Skin Irrit. 2 H315<br>3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 |
| >= 0.1% - < 0.3% | xylene | Index number: 601-022-00-9<br>CAS: 1330-20-7<br>EC: 215-535-7<br>REACH No.: 01-2119488216-32 | 2.6/3 Flam. Liq. 3 H226<br>3.1/4/Dermal Acute Tox. 4 H312<br>3.1/4/Inhal Acute Tox. 4 H332<br>3.10/1 Asp. Tox. 1 H304<br>3.2/2 Skin Irrit. 2 H315<br>3.3/2 Eye Irrit. 2 H319<br>3.8/3 STOT SE 3 H335<br>3.9/2 STOT RE 2 H373<br>4.1/C3 Aquatic Chronic 3 H412 |

## SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2, powder extinguisher, foam, water spray.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and/or combustion gases (carbon monoxide, carbon dioxide, oxides of nitrogen).

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for collection: inert absorbent material (e.g. sand, vermiculite)

After the product has been recovered, rinse the area and materials involved.

6.4. Reference to other sections

See also section 8 and 13

## SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:
See chapter 10.5
Instructions as regards storage premises:
Keep container tightly closed in a cool, well-ventilated place, away from heat.

7.3. Specific end use(s)
See chapter 1.2

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene - CAS: 1330-20-7
WEL -- Country: UNITED KINGDOM - TWA: 220 mg/m3, 50 ppm - STEL: 441 mg/m3, 100 ppm
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

DNEL Exposure Limit Values

bis-[4-(2,3-epoxipropoxi)phenyl]propane - CAS: 1675-54-3
Worker Professional: 8.33 mg/kg - Consumer: 3.571 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 12.25 mg/m3 - Consumer: 0.75 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 8.33 mg/kg - Consumer: 3.571 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 12.25 mg/m3 - Consumer: 0.75 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol - CAS: 9003-36-5
Worker Professional: 104.15 mg/kg - Consumer: 62.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 29.39 mg/m3 - Consumer: 8.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 6.25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 0.0083 mg/cm2 - Exposure: Human Dermal - Frequency: Short Term, local effects

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2
Worker Professional: 3.6 mg/m3 - Consumer: 0.87 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 1 mg/kg - Consumer: 0.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

xylene - CAS: 1330-20-7
Worker Professional: 221 mg/m3 - Consumer: 65.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 442 mg/m3 - Consumer: 260 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 442 mg/m3 - Consumer: 260 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 221 mg/m3 - Consumer: 65.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 212 mg/kg - Consumer: 125 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 12.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

bis-[4-(2,3-epoxipropoxi)phenyl]propane - CAS: 1675-54-3
Target: Fresh Water - Value: 0.006 mg/l

Target: Marine water - Value: 0.0006 mg/l
Target: Freshwater sediments - Value: 0.996 mg/kg
Target: Marine water sediments - Value: 0.0996 mg/kg
Target: Soil (agricultural) - Value: 0.196 mg/kg
Target: Microorganisms in sewage treatments (STP) - Value: 10 mg/l

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol - CAS: 9003-36-5
Target: Fresh Water - Value: 0.003 mg/l
Target: Marine water - Value: 0.0003 mg/l
Target: Microorganisms in sewage treatments (STP) - Value: 10 mg/l
Target: Marine water sediments - Value: 0.0294 mg/kg
Target: Freshwater sediments - Value: 0.294 mg/kg
Target: Soil (agricultural) - Value: 0.237 mg/kg

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2
Target: Fresh Water - Value: 0.007 mg/l
Target: Marine water - Value: 0.001 mg/l
Target: Microorganisms in sewage treatments (STP) - Value: 10 mg/l
Target: Marine water sediments - Value: 30.72 mg/kg
Target: Freshwater sediments - Value: 307.16 mg/kg

xylene - CAS: 1330-20-7
Target: Marine water - Value: 0.327 mg/l
Target: Fresh Water - Value: 0.327 mg/l
Target: Microorganisms in sewage treatments (STP) - Value: 6.58 mg/l
Target: Marine water sediments - Value: 12.46 mg/kg
Target: Freshwater sediments - Value: 12.46 mg/kg
Target: Soil (agricultural) - Value: 2.31 mg/kg

8.2. Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Eye protection:

Eye glasses with side protection (EN 166).

Skin protection:

Use suitable clothing that provides complete protection to the skin according to activity and exposure (EN14605 / EN13982), e.g. overall, apron, safety shoes, suitable clothing.

Hands protection:

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling, use chemical resistant gloves.

Suitable materials for safety gloves; EN 16523:
NBR (Nitril rubber): thickness >= 0.4 mm; permeation time >= 480 min.
FKM (Fluorinated rubber): thickness >= 0.4 mm; permeation time >= 480 min.
The selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to another one, and on the manner and times of use of the mixture.

Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Combination filtering device (EN 14387).

Environmental exposure controls:

See chapter 6.2

Appropriate engineering controls:

See section 7.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes: |
|---|---|---|---|
| Appearance and colour: | colored thick paste | -- | -- |
| Odour: | typical | -- | -- |
| Odour threshold: | nd | -- | -- |
| pH: | na | -- | Solvent-based system |
| Melting point / freezing point: | nd | -- | -- |
| Initial boiling point and boiling range: | nd | -- | -- |
| Flash point: | > 93 °C | -- | Internal assessment |
| Evaporation rate: | nd | -- | -- |
| Solid/gas flammability: | nd | -- | -- |
| Upper/lower flammability or explosive limits: | nd | -- | -- |
| Vapour pressure: | nd | -- | -- |
| Vapour density: | nd | -- | -- |
| Relative density: | 1.25 ± 0.03 kg/l | Internal method IPPSPC | -- |
| Solubility in water: | not soluble | -- | -- |
| Solubility in oil: | nd | -- | -- |
| Partition coefficient (n-octanol/water): | nd | -- | -- |
| Auto-ignition temperature: | nd | -- | -- |
| Decomposition temperature: | nd | -- | -- |
| Viscosity: | nd | -- | -- |
| Explosive properties: | nd | -- | -- |
| Oxidizing properties: | nd | -- | -- |

9.2. Other information

| Properties | Value | Method: | Notes: |
|---|---|---|---|
| Miscibility: | nd | -- | -- |
| Conductivity: | nd | -- | -- |

Legend:
na = not applicable - nd = not available

## SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
The product can generate liquid phases over time.
10.3. Possibility of hazardous reactions
Because of heat or fire the preparation can release carbon oxides and vapours which may be harmful to health.
10.4. Conditions to avoid
Avoid to keep near heat sources.
10.5. Incompatible materials
Powerful oxidising agents, powerful reducing agents, aliphatic and aromatic amines.
See chapter 10.3
10.6. Hazardous decomposition products
No hazardous decomposition products when stored and handled correctly.
See chapter 5.2

## SECTION 11: Toxicological information

11.1. Information on toxicological effects
There are no data available on the mixture itself.
Toxicological information of the product:
FLEXIPOX XT 8H comp. A
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1 H317
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
bis-[4-(2,3-epoxipropoxi)phenyl]propane - CAS: 1675-54-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol - CAS: 9003-36-5

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

a) acute toxicity:

Test: LC0 - Route: Inhalation Vapour - Species: Rat > 0.15 mg/l - Duration: 7h

xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3523 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 12126 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat 27124 mg/m3 - Duration: 4h

## SECTION 12: Ecological information

Adopt sound working practices, so that the product is not released into the environment.

12.1. Toxicity

Ecotoxicological studies of the product are not available.

Ecotoxicological information of the main substances found in the mixture:

bis-[4-(2,3-epoxipropoxi)phenyl]propane - CAS: 1675-54-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 2.7 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish 1.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae > 9.4 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 0.3 mg/l - Notes: 21d

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol - CAS: 9003-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 2.54 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae 1.8 mg/l - Duration h: 72

Endpoint: LC50 - Species: Daphnia 2.55 mg/l - Duration h: 48

oxirane, mono[(C12-14-alkyloxy)methyl] derivs. - CAS: 68609-97-2

a) Aquatic acute toxicity:

Endpoint: LL50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EL50 - Species: Daphnia 7.2 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae 843.75 mg/l - Duration h: 72

c) Bacteria toxicity:

Endpoint: LC50 > 100 mg/l - Duration h: 3

xylene - CAS: 1330-20-7

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 0.44 mg/l - Duration h: 72

12.2. Persistence and degradability

bis-[4-(2,3-epoxipropoxi)phenyl]propane - CAS: 1675-54-3

Biodegradability: Non-readily biodegradable

xylene - CAS: 1330-20-7

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

xylene - CAS: 1330-20-7

Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

xylene - CAS: 1330-20-7

Mobility in soil: Mobile

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects
None

## SECTION 13: Disposal considerations

13.1. Waste treatment methods
Do not allow to enter drains or water courses.
Recover if possible. In so doing, comply with the local and national regulations currently in force.

## SECTION 14: Transport information

14.1. UN number

| | |
|---|---|
| ADR-UN Number: | 3077 |
| IATA-UN Number: | 3077 |
| IMDG-UN Number: | 3077 |

14.2. UN proper shipping name

| | |
|---|---|
| ADR-Shipping Name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bis-[4-(2,3-epoxipropoxi)phenyl]propane) |
| IATA-Shipping Name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bis-[4-(2,3-epoxipropoxi)phenyl]propane) |
| IMDG-Shipping Name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bis-[4-(2,3-epoxipropoxi)phenyl]propane) |

14.3. Transport hazard class(es)

| | |
|---|---|
| ADR-Class: | 9 |
| ADR - Hazard identification number: | 90 |
| IATA-Class: | 9 |
| IATA-Label: | 9 |
| IMDG-Class: | 9 |

14.4. Packing group

| | |
|---|---|
| ADR-Packing Group: | III |
| IATA-Packing Group: | III |
| IMDG-Packing Group: | III |

14.5. Environmental hazards

| | |
|---|---|
| ADR-Enviromental Pollutant: | Yes |
| IMDG-Marine pollutant: | Marine Pollutant |

14.6. Special precautions for user

| | |
|---|---|
| ADR-Subsidiary hazards: | - |
| ADR-S.P.: | 274 335 375 601 |

ADR-Transport category (Tunnel restriction code): 3 (-)

| | |
|---|---|
| IATA-Passenger Aircraft: | 956 |
| IATA-Subsidiary hazards: | - |
| IATA-Cargo Aircraft: | 956 |
| IATA-S.P.: | A97 A158 A179 A197 |
| IATA-ERG: | 9L |
| IMDG-EmS: | F-A , S-F |
| IMDG-Subsidiary hazards: | - |
| IMDG-Stowage and handling: | Category A SW23 |
| IMDG-Segregation: | - |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
No restriction
Restrictions related to the substances contained:
Restriction 3
Restriction 40
Volatile Organic compounds - VOCs = 0.43 %

Where applicable, refer to the following italian regulatory provisions :
Directive 2012/18/EU (Seveso III)
Directive 2010/75/EU
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: E2

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

## SECTION 16: Other information

Text of phrases referred to under heading 3:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled or swallowed.
H412 Harmful to aquatic life with long lasting effects.

| Hazard class and hazard category | Code | Description |
|---|---|---|
| Flam. Liq. 3 | 2.6/3 | Flammable liquid, Category 3 |

| | | |
|---|---|---|
| Acute Tox. 4 | 3.1/4/Dermal | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 | 3.1/4/Inhal | Acute toxicity (inhalation), Category 4 |
| Asp. Tox. 1 | 3.10/1 | Aspiration hazard, Category 1 |
| Skin Irrit. 2 | 3.2/2 | Skin irritation, Category 2 |
| Eye Irrit. 2 | 3.3/2 | Eye irritation, Category 2 |
| Skin Sens. 1 | 3.4.2/1 | Skin Sensitisation, Category 1 |
| Skin Sens. 1,1A,1B | 3.4.2/1-1A-1B | Skin Sensitisation, Category 1,1A,1B |
| STOT SE 3 | 3.8/3 | Specific target organ toxicity - single exposure, Category 3 |
| STOT RE 2 | 3.9/2 | Specific target organ toxicity - repeated exposure, Category 2 |
| Aquatic Chronic 2 | 4.1/C2 | Chronic (long term) aquatic hazard, category 2 |
| Aquatic Chronic 3 | 4.1/C3 | Chronic (long term) aquatic hazard, category 3 |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|---|
| Skin Irrit. 2, H315 | Calculation method |
| Eye Irrit. 2, H319 | Calculation method |
| Skin Sens. 1, H317 | Calculation method |
| Aquatic Chronic 2, H411 | Calculation method |

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

Safety data sheets of raw materials suppliers.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate

| | |
|---|---|
| ATEmix: | Acute toxicity Estimate (Mixtures) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society). |
| CLP: | Classification, Labeling, Packaging. |
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO). |
| IMDG: | International Maritime Code for Dangerous Goods. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| WGK: | German Water Hazard Class. |
| N.A. | Not Applicable / Not Available |